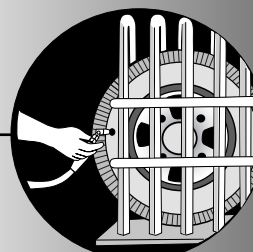
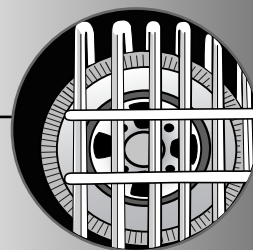
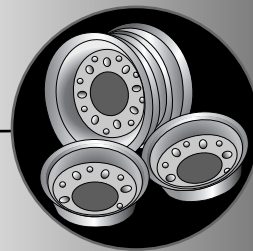


# Split (multipiece) Rim and Single-Piece Rim Wheels

**Chapter 296-864**  
**February 2005 Edition**

**Washington Industrial  
Safety & Health Act**



# **Standards Update to**

## **Chapter 296-864 WAC, Split (Multipiece) Rim and Single-Piece Rim Wheels**

Issue Date 2/2005  
Effective Date 2/1/2005

The Department of Labor and Industries has rewritten and reorganized for clarity and ease of use the safety standards for split rims. The split rim rules, in chapter 296-24 WAC, General Safety and Health Standards, and chapter 296-155 WAC, Safety Standards for Construction Work, were rewritten and adopted as chapter 296-864 WAC. **Please discard WAC 296-24-21701 through WAC 296-24-21713 and WAC 296-155-617.**

To receive future updates of this standard and all other Department of Labor and Industries safety and health standards electronically, please sign up on the WISHA Listserv (<http://www.lni.wa.gov/Safety/Rules/default.htm>). By subscribing to the Listserv, you will also receive rule updates, hearing notices, and informational packets for all safety and health rules.

Also available on the WISHA web site:

- WISHA Core Rules
- Other General WISHA Rules
- Industry and Task-specific Rules
- Proposed rules and hearings
- Newly adopted rules and new rule information
- WISHA Regional Directives (WRDs)
- WISHA Interim Operations and Interpretive Memoranda (WIIM)
- Memoranda of Understanding (MOU)

To receive hardcopy updates of this rule, please return the card located at the back of the book.

# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Other Rules that may apply to your workplace

- The WISHA Safety and Health Core Rules, Chapter 296-800 WAC, contain the basic requirements that apply to most employers in Washington. They also contain:
  - An Introduction that lists important information you should know, including a section on building, fire and electrical codes.
  - A Resource section that includes a complete list of all WISHA rules and a directory of the Labor and Industries (L&I) offices.
- Other WISHA rules may apply to you, depending on the activities and operations of your workplace. Contact your local L&I office if you're uncertain about which WISHA requirements apply to you.
- To go online to access all the Safety and Health Rules: <http://www.lni.wa.gov/wisha>
- If you would like to receive e-mail notification of rule updates, please register for the Standards Listserv on the WISHA web site at <http://www.lni.wa.gov/home/listservs.htm>
- For a CD or paper copy contact us by:

Mail: Department of Labor and Industries  
P.O. Box 44620  
Olympia, WA 98504-4620

Telephone: 1-800-4BE-SAFE (1-800-423-7233)

# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Chapter Contents

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Chapter Contents

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

WAC 296-864-100

## Scope



### Note:

- This rule is intended to protect employees from hazards associated with the exploding separation of rim wheel components.
- This chapter applies to the protection of employees who service split rim wheels and single-piece rim wheels used on large vehicles. For example:
  - Trucks
  - Tractors
  - Trailers
  - Buses**and**
  - Off-road machines.



### Exemption:

- This chapter doesn't apply to the servicing of rim wheels used on:
  - Automobiles**or**
  - Tires designated as light truck (LT).



### Note:

- The tire designation can be found on the sidewall of the tire.



### Definition:

**Split rim wheel or multipiece rim wheel** means a wheel made up of 2 or more parts. One of the parts is a side ring or locking ring that holds the tire on the wheel when the tire is inflated.

**Single-piece rim wheel** means a single part holds the tire, forms part of the air chamber and is the point where the wheel is attached to the vehicle axle.



# Notes

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# Wheel Components

WAC 296-864-200

## Section Contents

### YOUR RESPONSIBILITY:

**To make sure rim wheels are serviced safely**

#### **You must**

Make sure wheel components are compatible WAC 296-864-20005. ....	200-2
Make sure rim wheels are serviced safely WAC 296-864-20010 .....	200-3
Make sure damaged wheel components aren't used WAC 296-864-20015 .....	200-4



# Wheel Components

WAC 296-864-200

## Rule

**WAC 296-864-20005**

**Make sure wheel components are compatible**

### You must

- Make sure tires and rim wheels are compatible before assembly.
  - Make sure split rim wheel components aren't interchanged, except as provided in:
    - The Occupational Safety and Health Administration (OSHA) and National Highway Traffic Safety Administration (NHTSA) charts, "Demounting and Mounting Procedures for Truck/Bus Tires" and "Multi-Piece Rim Matching Chart"
- or**
- The rim manual for that component.



#### Note:

- Reprints of these charts, "Demounting and Mounting Procedures for Truck/Bus Tires" and "Multi-Piece Rim Matching Chart," are available:
  - Through the WISHA Training and Outreach office at 360-902-5638.
  - Through the OSHA area offices. The address and telephone number of the nearest OSHA area office can be obtained by looking in the local telephone directory under U.S. Government, U.S. Department of Labor, Occupational Safety and Health Administration.
  - From the OSHA website at <http://www.osha.gov/pls/publications/pubindex.continue>.
  - Through U.S. Postal Service at:  
Publications Office  
U.S. Department of Labor  
Room N3101  
Washington D.C. 20210  
Telephone: 202-523-9667



# Wheel Components

WAC 296-864-200

## Rule

### WAC 296-864-20010

#### Make sure rim wheels are serviced safely

##### You must

- Inspect split rim wheel components and single-piece wheels prior to assembly.
- Make sure the following are free of any dirt, surface rust, scale or loose or flaked rubber build-up prior to mounting and inflation:
  - Rim flanges
  - Rim gutters
  - Rings
  - Bead seating surfaces**and**
  - The bead areas of tires.
- Make sure you don't heat any rim wheels at any time.
- Make sure you don't repair any rim wheel that's:
  - Cracked
  - Broken
  - Bent**or**
  - Damaged.



##### Note:

- Repair includes activities such as striking with a hammer and heating rim wheel components.

-Continued-

Wheel Components



# Wheel Components

WAC 296-864-200

## Rule

### WAC 296-864-20010 (Continued)

- Provide and make sure that an air line assembly consisting of the following components is used for inflating tires:
  - A clip-on chuck
  - An in-line valve with a pressure gauge or a presettable regulator**and**
  - A sufficient length of hose between the clip-on chuck and the in-line valve, if one is used, to allow the employee to stand outside the trajectory.



#### Reference:

- For additional requirements relating to compressed air tools, see WAC 296-807-140, Compressed air tools, in portable power tools.

### WAC 296-864-20015

#### Make sure damaged wheel components are not used

#### You must

- Make sure any wheel or wheel component that's bent out of shape, pitted from corrosion, broken or cracked is:
  - Not used
  - Marked or tagged unserviceable**and**
  - Removed from the service area.
- Replace damaged or leaky valves.



# Restraint Devices

WAC 296-864-300

## Section Contents

### YOUR RESPONSIBILITY:

**To make sure your restraint devices are safe**

#### You must

Use a restraining device WAC 296-864-30005. ....	300-2
Make sure the restraint device meets these requirements WAC 296-864-30010. ....	300-2
Provide charts or rim manuals WAC 296-864-30015. ....	300-4



# Restraint Devices

WAC 296-864-300

## Rule

**WAC 296-864-30005**

### Use a restraining device

#### You must

- Use a restraining device for inflating tires on split rim wheels.
- Use a restraining device or barrier for inflating tires on single-piece wheels.



#### Exemption:

- A restraining device or barrier isn't required for single-piece rim wheels, if the rim wheel will be bolted onto a vehicle during inflation.

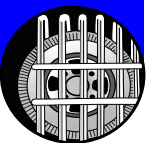
**WAC 296-864-30010**

### Make sure the restraint device meets these requirements

#### You must

- Make sure the restraining device or barrier can withstand a rim wheel separation that occurs at 150 percent of the maximum tire pressure specified.
- Make sure the restraining devices and barriers will contain any components that may be thrown out during a wheel separation of any rim wheel.
- Make sure restraining devices and barriers are visually inspected:
  - Prior to each day's use
  - and**
  - After any separation of the rim wheel components or sudden release of air.

**-Continued-**



# Restraint Devices

WAC 296-864-300

## Rule

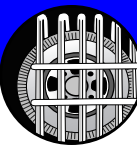
### WAC 296-864-30010 (Continued)

- Make sure any restraining device or barrier that shows damage is immediately removed from service. Examples of damage include:
  - Cracks at welds
  - Cracked or broken components
  - Bent or sprung components caused by mishandling, abuse, tire explosion or rim wheel separation
  - Pitting of components due to corrosion
- or**
- Other structural damage that would decrease its effectiveness.
- Make sure restraining devices or barriers removed from service aren't used until they are repaired and reinspected.
- Make sure restraining devices or barriers that need structural repair aren't used until they are certified by either:
  - The manufacturer
- or**
- A registered professional engineer.



**Note:**

- The certification needs to show that the barrier can withstand a force of 150 percent of the maximum tire pressure in the event of wheel separation.



# Restraint Devices

WAC 296-864-300

## Rule

**WAC 296-864-30015**

**Provide charts or rim manuals**

### **You must**

- Provide current charts or rim manuals containing instructions for the types of wheels being serviced in the service area.
- Provide and use only tools recommended in the rim manual for the specific type of rim wheel being serviced.





# Service Split Rim Wheels Safely

WAC 296-864-400

## Section Contents

### YOUR RESPONSIBILITY:

**To establish and use procedures to service split rim wheels safely**

#### You must

Establish a safe operating procedure for split rim wheels WAC 296-864-40005. ....	400-2
Follow these procedures for demounting split rim wheels WAC 296-864-40010. ....	400-3
Follow these procedures when working on split rim wheels and components WAC 296-864-40015. ....	400-4
Follow these procedures for inflating split rim wheels WAC 296-864-40020. ....	400-5





# Service Split Rim Wheels Safely

WAC 296-864-400

## Rule

**WAC 296-864-40005**

**Establish a safe operating procedure for split rim wheels**

### You must

- Establish a safe operating procedure for servicing split rim wheels that includes the procedures in WAC 296-864-40010 through 296-864-40020.
- Instruct employees in that procedure.

# Service Split Rim Wheels Safely

WAC 296-864-400

## Rule

WAC 296-864-40010

Follow these procedures for demounting split rim wheels

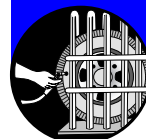
### You must

- Follow the relevant procedures in Table 1, Procedures for Deflating Split Rim Wheels.

**Table 1**  
**Procedures for Demounting Split Rim Wheels**

During these times	Then
Demounting rim wheels	Make sure tires are completely deflated before demounting by removal of the valve core.
During either of the following situations:  – The tire has been driven underinflated at 80 percent or less of its recommended pressure <b>or</b> – There is obvious or suspected damage to the tire or wheel component	Deflate the tires completely by removing the valve core, before a rim wheel is removed from the axle.

Service Split Rim  
Wheels Safely



# Service Split Rim Wheels Safely

WAC 296-864-400

## Rule

WAC 296-864-40015

Follow these procedures when working on split rim wheels and components

### You must

- Follow the relevant procedures in Table 2, Procedures for Working on Split Rim Wheels and Components.

Table 2  
Procedures for Working on Split Rim Wheels and Components

During these times	Then
A split rim wheel is in a restraining device	Make sure employees don't rest or lean any part of the body or equipment on or against the restraining device.
Assembly of the wheel and inflation of the tire	Apply rubber lubricant to bead and rim mating surfaces, unless the tire or wheel manufacturer recommends against it.
After tire inflation	Do both of the following: – Inspect the tire and wheel components while still within the restraining device <b>and</b> – Make sure that they are properly seated and locked.
When adjusting the tire or wheel components	Deflate the tire by removal of the valve core before the adjustment is made.

# Service Split Rim Wheels Safely

WAC 296-864-400

## Rule

WAC 296-864-40020

Follow these procedures for inflating split rim wheels

### You must

- Follow the relevant procedures in Table 3, Procedures for Inflating Split Rim Wheels.

**Table 3**  
**Procedures for Inflating Split Rim Wheels**

During these times	Then
Split rim wheels are being inflated	Make sure employees stay out of the trajectory.
When all of the following occur: <ul style="list-style-type: none"><li>– A tire on a vehicle has more than 80 percent of the recommended pressure</li><li><b>and</b></li><li>– Remote control inflation equipment is used;</li><li><b>and</b></li><li>– No employees are in the trajectory during inflation.</li></ul>	The tire may be inflated while the rim wheel is on the vehicle.
Assembly of the wheel and inflation of the tire	Apply rubber lubricant to bead and rim mating surfaces, unless the tire or wheel manufacturer recommends against it.
Inflating tires outside of a restraining device	Make sure you don't exceed 5 psi (pounds per square inch) to seat the bead.
The tire is pressurized	Make sure you don't correct the seating of side and lock rings by hammering, striking or forcing the components.



#### Note:

- Employees should stay out of the trajectory as much as possible while installing the split rim wheel onto the vehicle.
- The trajectory may deviate from its expected path.

Service Split Rim  
Wheels Safely



# Notes

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# Service Single-Piece Rim Wheels Safely

WAC 296-864-500

## Section Contents

### YOUR RESPONSIBILITY:

**To establish and use procedures to service single-piece rim wheels safely**

#### You must

Establish a safe operating procedure for single-piece rim wheels WAC 296-864-50005. ....	500-2
Follow these procedures for demounting single-piece rim wheels WAC 296-864-50010. ....	500-2
Follow these procedures when working on single-piece rim wheel components WAC 296-864-50015. ....	500-3
Follow these procedures for inflating single-piece rim wheels WAC 296-864-50020. ....	500-4

Service Single-Piece  
Rim Wheels Safely



# Service Single-Piece Rim Wheels Safely

WAC 296-864-500

## Rule

**WAC 296-864-50005**

**Establish a safe operating procedure for single-piece rim wheels**

### You must

- Establish a safe operating procedure for servicing single-piece rim wheels that includes the procedures in WAC 296-864-50010 through 296-864-50020.
- Instruct employees in that procedure.

**WAC 296-864-50010**

**Follow these procedures for demounting single-piece rim wheels**

### You must

- Follow the relevant procedures in Table 4, Procedures for Demounting Single-Piece Wheel Components.

**Table 4**

**Procedures for Demounting Single-Piece Rim Wheels**

During these times	Then
At all times	Make sure mounting and demounting of the tire is done only from the narrow ledge side of the wheel.
When demounting rim wheels	Make sure tires are completely deflated before demounting by removal of the valve core.





# Service Single-Piece Rim Wheels Safely

WAC 296-864-500

## Rule

WAC 296-864-50015

**Follow these procedures when working on single-piece rim wheels and components**

### You must

- Follow the relevant procedures in Table 5, Procedures for Working on Single-Piece Wheel Components.

**Table 5**  
**Procedures for Working on Single-Piece Rim Wheel Components**

During these times	Then
At all times	Avoid damaging the tire beads while mounting tires on wheels.
At all times	Make sure tires are mounted only on compatible wheels of matching bead diameter and width.
Before assembly of the rim wheel	Apply rubber lubricant to bead and wheel mating surfaces, unless the tire or wheel manufacturer recommends against the use of any rubber lubricant.
When using a tire changing machine	Make sure the tire is inflated only to the minimum pressure necessary to force the tire bead onto the rim ledge while on the tire changing machine.
When using a bead expander	Make sure it's removed: – Before the valve core is installed <b>and</b> – As soon as the rim wheel becomes airtight (the tire bead slips onto the bead seat).



#### Note:

- You shouldn't inflate tires above 40 psi to seat the bead.

Service Single-Piece  
Rim Wheels Safely



# Service Single-Piece Rim Wheels Safely

WAC 296-864-500

## Rule

WAC 296-864-50020

**Follow these procedures for inflating single-piece rim wheels**

### You must

- Inflate tires only when contained within a restraining device or bolted on the vehicle with the lug nuts fully tightened.
- Make sure tires aren't inflated when any flat, solid surface is in the trajectory and within one foot of the sidewall.
- Make sure employees stay out of the trajectory when inflating a tire.
- Make sure, when inflating tires, that the inflation pressure stamped in the sidewall isn't exceeded unless the manufacturer recommends a higher pressure.
- Make sure tires aren't inflated above the maximum pressure recommended by the manufacturer to seat the tire bead firmly against the rim flange.



# Employee Training

WAC 296-864-600

## Rule

### YOUR RESPONSIBILITY:

**To train employees to service split rim and single-piece rim wheels**

#### You must

Train employees who service rim wheels

WAC 296-864-60005. .... 600-2

Make sure employees demonstrate and retain the ability to service rim wheels safely

WAC 296-864-60010. .... 600-3

Employee Training



# Employee Training

WAC 296-864-600

## Rule

**WAC 296-864-60005**

### **Train employees who service rim wheels**

#### **You must**

- Train all employees who service rim wheels.
- Make sure that employees don't service any rim wheel until they have been trained and instructed in:
  - Correct procedures of servicing the type of wheel being worked on**and**
  - The safe operating procedures described in:
    - WAC 296-864-400, Service split rim wheels safely**and**
    - WAC 296-864-500, Service single-piece rim wheels safely.
- Make sure the training program explains the hazards involved in servicing those rim wheels and the safety procedures to be followed.
- Make sure the training program includes, at a minimum, the applicable data from the:
  - Charts
  - Rim manuals**and**
  - Contents of this standard.



# Employee Training

WAC 296-864-600

## Rule

### WAC 296-864-60010

#### Make sure employees demonstrate and retain the ability to service rim wheels safely

#### You must

- Make sure that each employee demonstrates the ability to service rim wheels safely, including performing the following tasks for the specified type of rim wheel in Table 6.

**Table 6**  
**Required Training Tasks**

Required Task	Split Rim	Single-Piece Rim
Demounting and deflation of tires	X	X
Inspection and identification of the rim wheel components	X	X
Hazards of mixing 16" and 16.5" tires and rims		X
Mounting of tires	X	X
Inflation of tires with a restraining device or other safeguard required by this section	X	X
Use of the restraining device or barrier, and other equipment required by this section	X	X
Handling of rim wheels	X	X
Inflation of the tire when a rim wheel is mounted on a vehicle		X
The hazards associated with standing in front of a split rim or single-piece rim wheel: – During inflation of the tire – During inspection of the rim wheel following inflation <b>and</b> – Installation and removal of rim wheels	X	X

-Continued-



# Employee Training

WAC 296-864-600

## Rule

### WAC 296-864-60010 (Continued)

#### You must

- Make sure any employee that's unable to read the charts or rim manual is effectively trained on their contents.
- Evaluate each employee's ability to perform these tasks and to service rim wheels safely.
- Provide additional training as necessary to make sure that each employee maintains his or her proficiency.



#### Helpful tool:

#### Training checklist

The optional training checklist can help you monitor the training status of your employees. You can find this checklist in the Resources section of this chapter.



# Split (Multipiece) Rim and Single-Piece Rim Wheels

WAC 296-864-700

## Definitions



### Barrier

Means a fence, wall or other object placed between a single-piece rim wheel and an employee during tire inflation that will contain the components if the air in the tire is suddenly released.

### Charts means

- The United States Department of Labor, Occupational Safety and Health Administration publications entitled "Demounting and Mounting Procedures for Truck/Bus Tires" and "Multi-Piece Rim Matching Chart"
- The National Highway Traffic Safety Administration (NHTSA) publications entitled "Demounting and Mounting Procedures for Truck/Bus Tires" and "Multi-Piece Rim Matching Chart"

**or**

- Any other poster that contains at least the same instructions, safety precautions and other information contained in the charts applicable to the types of wheels being serviced.

### Demounting

Means deflating and taking apart a tire and rim wheel.

### Installing a rim wheel

Means the transfer and attachment of an assembled rim wheel onto a vehicle axle hub.

### Mounting a tire

Means the putting together of the wheel and tire components to form a rim wheel, including inflation.

### Restraining device

Is a cage or rack that will hold all rim wheel components during an explosive separation of a multipiece rim wheel or during the sudden release of air in a single-piece rim wheel.



# Split (Multipiece) Rim and Single-Piece Rim Wheels

WAC 296-864-700

## Definitions

### Rim manual

Is a publication containing instructions from the manufacturer or other qualified organization for correct mounting, demounting, maintenance, and safety precautions for the type of wheel being serviced.

### Service or servicing

Means the mounting and demounting of rim wheels, and related activities such as inflating, deflating, installing, removing, and handling.

### Service area

Means any place where an employee services rim wheels.

### Single-piece rim wheel

Means a single part holds the tire, forms part of the air chamber and is the point where the wheel is attached to the vehicle axle.

### Split rim wheel or multipiece rim wheel

Means a wheel made up of 2 or more parts. One of the parts is a side ring or locking ring that holds the tire on the wheel when the tire is inflated.

### Trajectory

Means the path that a rim wheel component may travel during an explosive separation or the sudden release of air.

### Wheel

Means that portion of a rim wheel that attaches to the axle of a vehicle and also contains the inflated tire or tire and tube.



# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Resources

### HELPFUL TOOLS

Training Checklist ..... R-3

Resources



# Notes

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# Training Checklist

Use with Split (Multi-piece) Rim and Single-Piece Rim Wheels, Chapter 296-864 WAC

Use this optional form to help you document that each employee has received and demonstrated training as required by WAC 296-864-60010, Make sure employees demonstrate and retain the ability to service rim wheels safely.

Employee name \_\_\_\_\_

Trainer name(s) \_\_\_\_\_

Date \_\_\_\_\_

Additional comments:

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## All Rim Wheels

Indicate if the employee has completed the required training.

Responsibility	Training Completed	Trainer's Initials
The applicable data from the charts (rim manuals)		
The contents of chapter 296-864 WAC, Split Rims		
Correct procedures of servicing the type of wheel being worked on		
The procedures described in WAC 296-864-400, Service split rim wheels safely		
The procedures described in WAC 296-864-500, Service single-piece rim wheels safely		

Comments:

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# Training Checklist

Use with Split (Multi-piece) Rim and Single-Piece Rim Wheels, Chapter 296-864 WAC

## Split Rim Wheels

Indicate if the employee has demonstrated the task for the items listed below. When you complete all of the listed tasks, you have met the training requirements for split rim wheels.

Task	Task Demonstrated	Trainer's Initials
Demounting and deflation of tires		
Inspection and identification of the rim wheel components		
Mounting of tires		
Inflation of tires with a restraining device or other safeguard required by this section		
Use of the restraining device or barrier, and other equipment required by this section		
Handling of rim wheels		
An understanding of the necessity of standing outside the trajectory: <ul style="list-style-type: none"><li>• During inflation of the tire</li><li>• During inspection of the rim wheel following inflation</li><li><b>and</b></li><li>• Installation and removal of rim wheels</li></ul>		

Comments:

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# Training Checklist

Use with Split (Multi-piece) Rim and Single-Piece Rim Wheels, Chapter 296-864 WAC

## Single-Piece Rim Wheels

Indicate if the employee has demonstrated the task for the items listed below. When you complete all of the listed tasks, you have met the training requirements for single-piece rim wheels.

Task	Task Demonstrated	Trainer's Initials
Demounting and deflation of tires		
Inspection and identification of the rim wheel components		
Hazards of mixing 16" and 16.5" tires and rims		
Mounting of tires		
Inflation of tires with a restraining device or other safeguard required by this section		
Use of the restraining device or barrier, and other equipment required by this section		
Handling of rim wheels		
Inflation of the tire when a rim wheel is mounted on a vehicle		
An understanding of the necessity of standing outside the trajectory: <ul style="list-style-type: none"><li>• During inflation of the tire</li><li>• During inspection of the rim wheel following inflation</li></ul> <b>and</b> <ul style="list-style-type: none"><li>• Installation and removal of rim wheels</li></ul>		

### Comments:

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

WAC 296-864

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Statutory Authority

### 296-864-100 Scope.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-100, filed 10/05/04, effective 02/01/05.]

### 296-864-200 Wheel components.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-200, filed 10/05/04, effective 02/01/05.]

#### 296-864-20005 Make sure wheel components are compatible.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-20005, filed 10/05/04, effective 02/01/05.]

#### 296-864-20010 Make sure rim wheels are serviced safely.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-20010, filed 10/05/04, effective 02/01/05.]

#### 296-864-20015 Make sure damaged wheel components are not used.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-20015, filed 10/05/04, effective 02/01/05.]

### 296-864-300 Restraint devices.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-300, filed 10/05/04, effective 02/01/05.]

#### 296-864-30005 Use a restraining device.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-30005, filed 10/05/04, effective 02/01/05.]

#### 296-864-30010 Make sure the restraint device meets these requirements.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-30010, filed 10/05/04, effective 02/01/05.]

#### 296-864-30015 Provide charts or rim manuals.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-30015, filed 10/05/04, effective 02/01/05.]

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Statutory Authority

296-864-400 Service split rim wheels safely.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-400, filed 10/05/04, effective 02/01/05.]

296-864-40005 Establish a safe operating procedure for split rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-40005, filed 10/05/04, effective 02/01/05.]

296-864-40010 Follow these procedures for demounting split rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-40010, filed 10/05/04, effective 02/01/05.]

296-864-40015 Follow these procedures when working on split rim wheels and components.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-40015, filed 10/05/04, effective 02/01/05.]

296-864-40020 Follow these procedures for inflating split rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-40020, filed 10/05/04, effective 02/01/05.]

296-864-500 Service single-piece rim wheels safely.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-500, filed 10/05/04, effective 02/01/05.]

296-864-50005 Establish a safe operating procedure for single-piece rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-50005, filed 10/05/04, effective 02/01/05.]

296-864-50010 Follow these procedures for demounting single-piece rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-50010, filed 10/05/04, effective 02/01/05.]

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# Split (Multipiece) Rim and Single-Piece Rim Wheels

Chapter 296-864 WAC

## Statutory Authority

**296-864-50015** Follow these procedures when working on single-piece rim wheels and components.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-50015, filed 10/05/04, effective 02/01/05.]

**296-864-50020** Follow these procedures for inflating single-piece rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-50020, filed 10/05/04, effective 02/01/05.]

**296-864-600** Employee training.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-600, filed 10/05/04, effective 02/01/05.]

**296-864-60005** Train employees who service rim wheels.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-60005, filed 10/05/04, effective 02/01/05.]

**296-864-60010** Make sure employees demonstrate and retain the ability to service rim wheels safely.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-60010, filed 10/05/04, effective 02/01/05.]

**296-864-700** Definitions.

[Statutory Authority: RCW 49.17.010, .040, .050, and .060. 04-20-079 (Order 04-13), § 296-864-700, filed 10/05/04, effective 02/01/05.]

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Split (Multipiece) Rim and Single-Piece Rim Wheels, Chapter 296-864 WAC

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